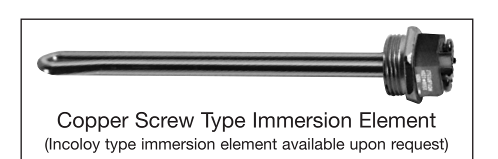



# Residential Lowboy Energy Saver Electric Water Heater

Photo is of
**M-1**-20L6DS



Copper Screw Type Immersion Element
(Incoloy type immersion element available upon request)

***The Lowboy Electric Models Feature:***

- **DOE**—All residential storage models above 20 gallon capacity meet or exceed efficiency requirements of the Department of Energy, ASHRAE Standard 90.1 b (current standard) and the National Appliance Energy Conservation Act of 1987 recent amendment effective January 20, 2004 which supercedes all state and local efficiency requirements.
- **Applications—**Standing at a height of less than 33", Lowboy models are ideal for installations where space is at a premium and are perfect for tight installations such as a closet or under a counter.
- **Fully Automatic Controls—**Fast acting surface-mount thermostats for automatic temperature control. Factory installed sensitive manual reset energy cut-off for safety to prevent overheating.
- **Direct Heat Transfer With Immersed Elements—**Transfers heat directly and efficiently to the water. Screw-in style.
- **Factory Installed Hydrojet® Total Performance System—**Cold water inlet sediment reducing device helps prevent sediment build up in tank. Increases first hour delivery of hot water while minimizing temperature build up in tank.
- **Vitraglas® Lining—**Bradford White tanks are lined with an exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Non-CFC Foam Insulation—**Covers the sides and top of the tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies and jacket rigidity.
- **Water Connections—**3⁄4" NPT factory installed true dielectric fittings extend water heater life and eases installation.
- **Factory Installed Heat Traps—**Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation. (Except for M-1-20L6DS).
- **Protective Magnesium Anode Rod—**Provides added protection against corrosion for long trouble-free service.
- **Simultaneous and Non-Simultaneous Operation Available—** Simultaneous operation indicates when both elements (if equipped) are being heated at the same time. Non-Simultaneous operation indicates when one element is being heated at a time.
- **Voltages Available—**120V, 208V, 240V, 277V, 480V.
- **Single Phase or Three Phase Operation Available—**277V may only be wired for single phase operation.
- **T&P Relief Valve Included—**Side T&P is standard. Optional top T&P location is available.
- **Low Restriction Brass Drain Valve—**Durable tamper proof design.
- **Design evaluated by ETL in accordance with Part 280.707(d) of HUD Mobile Home Construction and Safety Standards for Energy Efficiency.**













***6 or 10-Year Limited Tank Warranties / 6 or 10-Year Limited Warranty on Component Parts.***

For more information on warranty, please visit www.bradfordwhite.com

*For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.*



203-B-0315

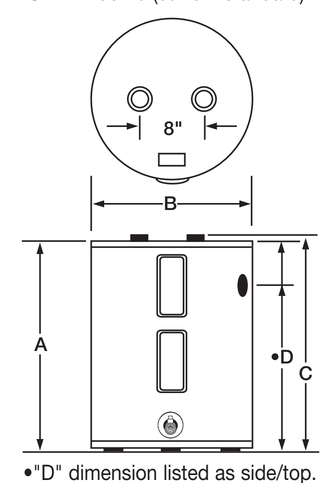
## Lowboy Energy Saver Models

C.E.C. Listed

| Model Number | Capacity U.S. Gal. | Capacity Imp. Gal. | Recovery 90°F Rise U.S. GPH* | Recovery 90°F Rise Imp. GPH* | A Floor to Heater Top in. | B Jacket Dia. in. | C Floor to Water Conn. in. | D Floor to T&P Conn. in. | Approx. Shipping Weight lbs. |
|---|---|---|---|---|---|---|---|---|---|
| **M-1**-20L6DS† | 19 | 16 | 21 | 18 | 24 3/4 | 18 | 26 | 19 1/4 / 24 7/8 | 58 |
| **M-1**-30L6DS** | 30 | 25 | 21 | 18 | 29 3/4 | 20 | 31 | 24 / 29 3/8 | 86 |
| **M-2**-30L6DS | 30 | 25 | 21 | 18 | 30 | 22 | 31 | 24 1/8 / 31 1/4 | 96 |
| **M-1**-40L6DS** | 40 | 33 | 21 | 18 | 31 1/4 | 22 | 32 7/8 | 24 1/8 / 31 3/4 | 115 |
| **M-2**-40L6DS | 40 | 33 | 21 | 18 | 32 1/8 | 24 | 33 1/8 | 24 1/8 / 33 3/8 | 121 |
| **M-1**-50L6DS** | 47 | 39 | 21 | 18 | 31 3/4 | 24 | 33 1/8 | 24 1/8 / 31 3/4 | 140 |
| **M-2**-50L6DS | 47 | 39 | 21 | 18 | 32 1/8 | 26 | 33 1/8 | 24 1/8 / 33 3/8 | 143 |

| Model Number | Capacity Liters | Recovery 50°C Rise Liters/ Hour | A Floor to Heater Top mm. | B Jacket Dia. mm. | C Floor to Water Conn. mm. | D Floor to T&P Conn. mm. | Approx. Shipping Weight kg. |
|---|---|---|---|---|---|---|---|
| **M-1**-20L6DS† | 72 | 76 | 629 | 457 | 660 | 489 / 632 | 26 |
| **M-1**-30L6DS** | 114 | 76 | 756 | 508 | 787 | 610 / 746 | 39 |
| **M-2**-30L6DS | 114 | 76 | 762 | 559 | 787 | 613 / 794 | 44 |
| **M-1**-40L6DS** | 151 | 76 | 794 | 559 | 835 | 613 / 806 | 52 |
| **M-2**-40L6DS | 151 | 76 | 816 | 610 | 841 | 613 / 848 | 55 |
| **M-1**-50L6DS** | 178 | 76 | 794 | 610 | 841 | 613 / 806 | 64 |
| **M-2**-50L6DS | 178 | 76 | 816 | 660 | 841 | 613 / 848 | 65 |

**Models include supplied insulation blanket.
For 10 year models, change suffix "6" to "10".
For single element models change suffix "D" to "S".
*Based on 4500W/4500W, Non-Simultaneous operation.
All models feature optional top T&P location and must be specified when ordering.
†Exempt from ASHRAE 90.1b (current standard).



•"D" dimension listed as side/top.

| Wattage | Recovery▲ GPH Temperature Rise °F 60 | 80 | 90 | 100 | 120 |
|---|---|---|---|---|---|
| 1500W | 10 | 8 | 7 | 6 | 5 |
| 2000W | 14 | 10 | 9 | 8 | 7 |
| 2500W | 17 | 13 | 11 | 10 | 9 |
| 3000W | 21 | 15 | 14 | 12 | 10 |
| 3500W | 24 | 18 | 16 | 14 | 12 |
| 4000W | 28 | 21 | 18 | 16 | 14 |
| 4500W | 31 | 23 | 21 | 19 | 15 |
| 5000W | 34 | 26 | 23 | 21 | 17 |
| 5500W | 38 | 29 | 25 | 23 | 19 |
| 6000W | 41 | 31 | 28 | 25 | 21 |

▲(GPH based on Non-Simultaneous operation, when Simultaneous operation the GPH will approximately double.)

| Wattage Limitations for Simultaneous Operation | Voltage 120V | 208V | 240V | 277V | 480V |
|---|---|---|---|---|---|
| 1500W / 1500W | yes | yes | yes | yes | yes |
| 2000W / 2000W | no | yes | yes | yes | yes |
| 2500W / 2500W | no | yes | yes | yes | yes |
| 3000W / 3000W | no | yes | yes | yes | yes |
| 3500W / 3500W | no | yes | yes | no | no |
| 4000W / 4000W | no | yes | yes | yes | yes |
| 4500W / 4500W | no | yes | yes | yes | yes |
| 5000W / 5000W | no | yes | yes | yes | yes |
| 5500W / 5500W | no | no | yes | no | no |
| 6000W / 6000W | no | no | no | yes | yes |

| Wattage Limitations for Non-Simultaneous Operation | Voltage 120V | 208V | 240V | 277V | 480V |
|---|---|---|---|---|---|
| 1500W / 1500W | yes | yes | yes | yes | yes |
| 2000W / 2000W | yes | yes | yes | yes | yes |
| 2500W / 2500W | yes | yes | yes | yes | yes |
| 3000W / 3000W | yes | yes | yes | yes | yes |
| 3500W / 3500W | no | yes | yes | no | no |
| 4000W / 4000W | no | yes | yes | yes | yes |
| 4500W / 4500W | no | yes | yes | yes | yes |
| 5000W / 5000W | no | yes | yes | yes | yes |
| 5500W / 5500W | no | yes | yes | no | no |
| 6000W / 6000W | no | yes | yes | yes | yes |

**General**
All models ETL listed. These heaters are wired inter-locking (Non-Simultaneous, Single Phase) 240V with two 4500W elements, unless otherwise specified.
All water and electrical connections are 3/4" NPT (19mm).
All models certified at 300 psi test pressure (2068 kPa) and 150 psi working pressure (1034 kPa.)

***Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.***




Ambler, PA
For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.
Sales **800-523-2931** • Fax **215-641-1670** / Technical Support **800-334-3393** • Fax **269-795-1089** • Warranty **800-531-2111** • Fax **269-795-1089**
**International:** Telephone **215-641-9400** • Telefax **215-641-9750 / www.bradfordwhite.com**

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